

**AMENDMENT****IN THE CLAIMS**

This listing of claims will replace all prior versions and listings of claims in the application. Where claims have been amended and/or canceled, such amendments and/or cancellations are done without prejudice and/or waiver and/or disclaimer, and Assignee reserves the right to claim this subject matter in a continuing application:

1. (Currently Amended) An integrated mobile device that provides local functionality and communication functionality, comprising:

a first power supply;

a computing unit, coupled to the first power supply;

a second power supply;

a radio communication unit coupled to the second power supply; and

a switch, coupled to the second power supply and to the computing unit, adapted to selectively couple the radio communication unit to the second power supply, to provide first and second modes of operation, wherein the first mode of operation enables the computing unit and the radio communication unit, and the second mode of operation disables the radio communication unit and enables the computing unit.

2. (Previously Presented) The device of claim 1, wherein the radio communication unit provides cellular communication between the mobile device and an external entity.

3. (Original) The wireless communication device of claim 1, wherein the computing unit comprises:

a data storage area to store information; and

a processor, coupled to the data storage area, to retrieve the information.

4. (Original) The wireless communication device of claim 3, wherein the information includes random access information.

5. (Previously Presented) The wireless communication device of claim 3, wherein the information includes read-only information.

6. (Original) The wireless communication device of claim 3, wherein the information includes multimedia information.

7. (Currently Amended) The wireless communication device of claim 7, wherein the computing unit, ~~when the radio communication unit is enabled, provides~~ is adapted to provide data communication functionality between the mobile device and an external entity in response to said radio communication unit being enabled.

8. (Previously Presented) The wireless communication device of claim 7, wherein the external entity comprises an adaptive array base station.

9. (Currently Amended) A method for selectively disabling the wireless communication functionality of an integrated portable computing-communication device, the method comprising:

~~providing~~ enabling a first mode of operation in which both wireless communication functionality and local functionality of the device are enabled;

~~providing~~ enabling a second mode of operation in which the communication functionality is disabled and the local functionality is enabled; and

~~selectively~~ switching between the first and second modes of operation in response to a broadcast signal broadcast in a particular geographic region.

10. (Original) The method of claim 9, further comprising providing a third mode of operation in which neither the wireless communication functionality nor the local functionality of the device is enabled.

11. (Currently Amended) The method of claim 9, wherein selectively switching between the first and second modes of operation comprises:

in the first mode of operation, providing power to a computing unit and a radio communication unit of the integrated portable computing-communication device, wherein the computing unit provides the local functionality and the radio communication unit provides the communication functionality; and

in the second mode of operation, providing power to the computing unit, and not providing power to the communication unit.

12. (Currently Amended) The method of claim 9, wherein selectively switching between the first and second modes of operation comprises disabling at least a portion of a radio communication functionality in the second mode of operation.

13. (Previously Presented) The method of claim 9, wherein the first mode of operation provides transfer of data between the portable device and an external entity.

14. (Previously Presented) The method of claim 13, wherein the external entity includes a base station coupled to a data communication network.

15. (Previously Presented) The method of claim 14, wherein the external entity further includes a voice communication network.

16. (Previously Presented) The method of claim 14, wherein the data communication network includes the Internet.

17. (Currently Amended) A multifunction portable apparatus that provides wireless communication and local functionality, the apparatus comprising:

a first means for ~~providing~~ enabling local functionality;

a second means for ~~providing~~ enabling communication functionality; and

a selection means triggered by an external entity for selecting between a first mode of operation, wherein both the local functionality and the communication functionality are ~~provided~~ enabled, and a second mode of operation, ~~where~~ wherein the local functionality is provided and the communication functionality is disabled.

18. (Currently Amended) The apparatus of claim 17, wherein the selection means comprises a ~~switching means to switch~~ for switching between the first and second modes of operation.

19. (Previously Presented) The apparatus of claim 18, wherein the switching means is coupled to a power supply means, the switching means to disable the supply of power from the power supply means to at least a portion of the second means.

20. (Cancelled) ~~The apparatus of claim 17, wherein an external entity triggers the selection means to select between the first and second modes of operation.~~

21. (Currently Amended) The apparatus of claim ~~20~~ 17, wherein the external entity comprises a transmitter to transmit a signal ~~that triggers~~ to trigger the selection means to select between the first and second modes of operation.

22. (Previously Presented) The apparatus of claim 17, further comprising an indication means for indicating whether the apparatus is operating in the first or second mode of operation.

23. (Currently Amended) In an integrated device combining user-operated computing functionality and wireless communication, a method comprising:

enabling access to user-operated computing functionality and access to ~~making~~ sending and receiving wireless ~~calls~~ signals; and

subsequently disabling the access to ~~making and receiving~~ sending wireless ~~calls~~ signals; while simultaneously maintaining the access to the user-operated computing functionality and the access to ~~making and receiving~~ wireless ~~calls~~ signals ~~is disabled~~.

24. (Currently Amended) The method of claim 23, wherein disabling the access to the ~~making and receiving~~ wireless ~~calls~~ signals comprises disabling at least a portion of a radio frequency (RF) unit.

25. (Previously Presented) The method of claim 24, wherein disabling the portion of the RF unit comprises disabling the portion of the RF unit with a switch.

26. (Previously Presented) The method of claim 24, wherein disabling the portion of the RF unit comprises disabling a local oscillator of the RF unit.

27. (Previously Presented) The method of claim 26, wherein disabling the local oscillator of the RF unit comprises sending a software command to a local oscillator control circuit to cause the local oscillator to cease operation.

28. (Previously Presented) The method of claim 26, wherein disabling the local oscillator of the RF unit comprises a hardware selection mechanism triggering a circuit to cause the local oscillator to cease operation.

29. (Currently Amended) The method of claim 23, wherein disabling the access to the ~~making and receiving~~ sending wireless ~~calls~~ signals comprises disabling at least an operation of the antenna.

30. (Previously Presented) The method of claim 29, wherein disabling the operation of the antenna further comprises disconnecting the antenna from a power supply.

31. (Previously Presented) The method of claim 29, wherein disabling the operation of the antenna further comprises increasing electromagnetic shielding of the antenna.

32. (Previously Presented) The method of claim 31, wherein increasing the electromagnetic shielding of the antenna comprises surrounding the antenna with a metal coil.

33. (Currently Amended) The method of claim 23, wherein disabling the access to the ~~making and receiving~~ sending wireless calls signals comprises disabling the access in response to selection of a soft key on the device.

34. (Currently Amended) The method of claim 23, wherein disabling the access to the ~~making and receiving~~ sending wireless calls signals comprises disabling the access in response to toggling of a mechanical switch on the device.

35. (Currently Amended) The method of claim 23, wherein disabling the access to ~~making and receiving~~ sending wireless calls signals comprises disabling the access in response to depressing of a button on the device.

36. (Currently Amended) The method of claim 23, wherein disabling the access to the ~~making and receiving~~ sending wireless calls signals comprises disabling the access in response to receiving a disable command from an external entity.

37. (Currently Amended) An article of manufacture comprising a machine accessible medium having content to provide instructions to result in an integrated device with user-operated computing functionality and wireless communication performing operations including:

enabling access to user-operated computing functionality and access to ~~making~~ sending and receiving wireless ~~calls~~ signals;

subsequently disabling the access to ~~making and receiving~~ sending wireless ~~calls~~ signals; and

continuing enabling the access to the user-operated computing functionality ~~while~~ and the access to the ~~making and receiving~~ wireless ~~calls~~ signals ~~is either enabled or disabled~~.

38. (Currently Amended) The article of manufacture of claim 37, wherein the content to provide instructions to result in the integrated device performing operations including disabling the access to ~~making sending and receiving~~ wireless ~~calls~~ signals comprises the content to provide instructions to result in the integrated device performing operations including disabling at least a portion of a radio frequency (RF) unit.

39. (Currently Amended) The article of manufacture of claim 38, wherein the content to provide instructions to result in the integrated device performing operations including disabling the access to ~~making sending and receiving~~ wireless ~~calls~~ signals comprises the content to provide instructions to result in the integrated device performing operations including sending a software command result in a portion of the RF unit ceasing operation.

40. (Currently Amended) The article of manufacture of claim 38, wherein the content to provide instructions to result in the integrated device performing operations including disabling the access to ~~making sending and receiving~~ wireless ~~calls~~ signals comprises the content to provide instructions to result in the integrated device performing operations including disabling a local oscillator of the RF unit.

41. (Currently Amended) The article of manufacture of claim 37, wherein the content to provide instructions to result in the integrated device performing operations including disabling the access to ~~making~~ sending and receiving wireless calls signals comprises the content to provide instructions to result in the integrated device performing operations including disabling at least an operation of an antenna.

42. (Currently Amended) The article of manufacture of claim 37, wherein the content to provide instructions to result in the integrated device performing operations including disabling the access to ~~making~~ sending and receiving wireless calls signals comprises the content to provide instructions to result in the integrated device performing operations including disabling the access in response to selection of a soft key on the device.

43. (Currently Amended) The article of manufacture of claim 37, wherein the content to provide instructions to result in the integrated device performing operations including disabling the access to ~~making~~ sending and receiving wireless calls signals comprises the content to provide instructions to result in the integrated device performing operations including disabling the access in response to activation of a mechanical trigger on the device.

44. (Currently Amended) The article of manufacture of claim 43, wherein the content to provide instructions to result in the integrated device performing operations including disabling the access in response to activation of a mechanical trigger comprises the content to provide instructions to result in the integrated device performing operations including disabling the access to sending wireless signals in response to depressing of a button on the device.

45. (Currently Amended) An integrated device combining local processing and data storage functionality, and wireless communication functionality including sending and receiving functionality, comprising:



means for enabling ~~access to a user to~~ the local processing and data storage functionality;  
means for enabling the sending making and receiving wireless communications functionality;  
and  
means for disabling ~~transmission and reception of radio signals to disable the making and~~  
~~receiving sending functionality wireless communications~~ while maintaining access to the said local  
processing and said data storage functionality and said receiving functionality

46. (Currently Amended) The integrated device of claim 45, wherein the means for disabling the  
transmission ~~and reception~~ of radio signals comprises means for disabling at least a portion of a radio  
frequency (RF) unit.

47. (Currently Amended) The integrated device of claim 46, wherein the means for disabling the  
transmission ~~and reception~~ of radio signals comprises means for disabling a local oscillator of the RF  
unit.

48. (Currently Amended) The integrated device of claim 46, wherein the means for disabling the  
transmission ~~and reception~~ of radio signals comprises means for disconnecting at least a portion of the  
RF unit from a power source.

49. (Currently Amended) The integrated device of claim 45, wherein the means for disabling the  
transmission ~~and reception~~ of radio signals comprises means for disabling an operation of an antenna.

50. (Previously Presented) The integrated device of claim 49, wherein the means for disabling the  
operation of the antenna further comprises means for disconnecting the antenna from a power supply.

51. (Previously Presented) The integrated device of claim 49, wherein the means for disabling the operation of the antenna further comprises means for increasing electromagnetic shielding of the antenna.

52. (Currently Amended) The integrated device of claim 45, wherein the means for disabling the transmission and reception of radio signals ~~disables the~~ comprises means for disabling transmission and reception in response to toggling of a mechanical switch on the device.

53. (Currently Amended) The integrated device of claim 45, wherein the means for disabling the transmission and reception of radio signals ~~disables the~~ comprises means for disabling transmission and reception in response to depressing of a button on the device.

54. (Currently Amended) A portable apparatus to provide wireless communication and local processing, comprising:

a direct current power source;

a computing unit coupled to the power source to provide the local processing, the computing unit having a processor, a memory, and a user interface; and

a radio frequency (RF) unit selectively coupled to the power source through a switch to provide the wireless communication, the RF unit having a radio transceiver, a signal processing unit, and an antenna;

wherein the switch is ~~operated~~ adapted to selectively couple/~~de-couple one or more of the radio transceiver or the signal processing unit from the power source~~ disable the antenna to provide, respectively, a wireless communication enabled mode having both the wireless communication and the local processing accessible, and a wireless communication disabled mode having the local processing accessible and the wireless communication inaccessible.

55. (Currently Amended) The portable apparatus of claim 54, wherein the switch is operated to selectively ~~enable/disable a local oscillator of the RF unit~~ increase/decrease the shielding of the antenna.

56. (Previously Presented) The portable apparatus of claim 54, wherein the switch is operated to selectively connect/disconnect the antenna from the power source.

57. (Currently Amended) In an Integrated device combining Interactive data processing functionality and wireless communication, a method comprising:

simultaneously enabling access to the interactive data processing functionality and enabling operation of a mechanism for wireless signal communication; and

in response to detecting an event, providing notification to disabling ~~disable~~ the operation of the mechanism for wireless signal communication while simultaneously maintaining the access to the interactive data processing functionality by use of a selection mechanism.

58. (Previously Presented) The method of claim 57, wherein disabling the operation of the mechanism for wireless signal communication comprises disabling the operation of wireless signal reception.

59. (Previously Presented) The method of claim 57, wherein disabling the operation of the mechanism for wireless signal communication comprises disabling the mechanism for operation of wireless signal reception.

60. (Previously Presented) The method of claim 57, wherein disabling the operation of the mechanism for wireless signal communication comprises disabling the mechanism for wireless calls.

61. (Previously Presented) The method of claim 57, wherein disabling the operation of the mechanism for wireless signal communication comprises disabling the mechanism for a data communication session.

62. (Previously Presented) The method of claim 57, wherein disabling the operation of the mechanism for wireless signal communication comprises disabling the mechanism wide area network access.

63. (Previously Presented) The method of claim 57, wherein detecting the event comprises detecting a user input.

64. (Previously Presented) The method of claim 57, wherein detecting the event comprises detecting a signal from an external entity.

65. (Currently Amended) A method for operating a portable device have having both wireless communication functionality and computing functionality, comprising:

providing a ~~standard~~ first mode having both the wireless communication functionality and the computing functionality operational;

providing ~~an airplane~~ a second mode having the computing functionality operational and the wireless communication functionality non-operational; and

automatically switching between the ~~standard~~ first mode and the ~~airplane~~ second mode in response to a trigger received at the device.

66. (Previously Presented) The method of claim 65, wherein the portable device comprises a cell phone with personal digital assistant functionality.

67. (Previously Presented) The method of claim 65, wherein the portable device comprises a personal digital assistant (PDA) with a wireless communication unit.

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68. (Previously Presented) The method of claim 65, wherein the trigger received at the device comprises a depression of a button on the device.

69. (Previously Presented) The method of claim 65, wherein the trigger received at the device comprises a signal received automatically from an external entity.

**Status of Claims**

Claims 1-19 and 21-69 are pending in the above-referenced patent application. In this amendment, claims 1, 7, 9, 11-12, 17, 18, 21, 23, 24, 29, 33-49, 52-55, 57 and 65 have been amended, claim 20 has been cancelled and no claims have been added.

**Claim Rejections – 35 U.S.C §103(a)**

In the Final Office Action, dated March 14, 2006, the Examiner rejected claims 1-19, 22-26, 28-39, and 41-68 are rejected under 35 U.S.C 103(a) as being obvious over Chmaytelli (U.S. Patent No. 6,233,464, hereinafter "Chmaytelli"); and claims 20, 21, 27, 40 and 69 are rejected under 35 U.S.C 103(a) as being unpatentable over Chmaytelli in view of Nakamura (U.S. Patent No. 6,085,096). It is noted that claim 20 has been cancelled. These rejections of all remaining claims are respectfully traversed.

**Chmaytelli****Failure to teach all the limitations**

It is respectfully submitted that Chmaytelli does not teach or suggest, either expressly or inherently, all of the limitations of claims 1-19, 22-26, 28-39, and 41-68, as amended, and, therefore, does not render these claims obvious.

**Claims 1-8****Failure to teach a first and a second power supply**

As just an example, referring to claims 1-8, as amended, Chmaytelli does not teach or suggest "a first power supply; a computing unit, coupled to the first power supply; a second power supply; a radio communication unit coupled to the second power supply; and a switch, coupled to the second power supply, adapted to selectively couple the radio communication unit to the second power supply". Chmaytelli describes a switch to power on or power off a PDA, but does not teach or suggest "a switch, coupled to the second power supply, adapted to selectively couple the radio communication unit to the

second power supply" as recited in claim 1, as amended. Therefore, because Chmaytelli does not teach or suggest at least one element of claim 1, as amended, a sufficient obviousness rejection under 35 U.S.C §103(a) of claims 1-8 has not been established.

### **Claims 9-16**

#### ***Failure to teach a broadcast signal***

As just an example, referring to claims 9-16, as amended, Chmaytelli does not teach or suggest "switching between the first and second modes of operation in response to a broadcast signal broadcast in a particular geographic region." Chmaytelli describes a switch to power on or power off a PDA that is activatable by a user, but does not teach or suggest "switching between the first and second modes of operation in response to a broadcast signal broadcast in a particular geographic region." as recited in claim 9, as amended. Therefore, because Chmaytelli does not teach or suggest at least one element of claim 9, as amended, a sufficient obviousness rejection under 35 U.S.C §103(a) of claims 9-16 has not been established.

### **Claims 17-19 and 22**

#### ***Failure to teach a selection means triggered by an external entity***

As just an example, referring to claims 17-19 and 22, as amended, Chmaytelli does not teach or suggest "a selection means triggered by an external entity for selecting between a first mode of operation, wherein both the local functionality and the communication functionality are enabled, and a second mode of operation, where the local functionality is enabled and the communication functionality is disabled." Chmaytelli describes a switch to power on or power off a PDA that is activatable by a user, but does not teach or suggest "a selection means triggered by an external entity" as recited in claim 17, as amended. Therefore, because Chmaytelli does not teach or suggest at least one element of claim 17, as amended, a sufficient obviousness rejection under 35 U.S.C §103(a) of claims 17-19 and 22 has not been established.

**Claims 23-26, 28-36, 37-39, 41-53*****Failure to teach disabling receiving of wireless signals while maintaining access to sending wireless signals***

As just an example, referring to claims 23-26 and 28-36, as amended, Chmaytelli does not teach or suggest "subsequently disabling the access to sending wireless signals; while simultaneously maintaining the access to the user-operated computing functionality and the access to receiving wireless signals." Chmaytelli describes a switch to power on or power off a wireless telephone, but does not teach or suggest "disabling the access to sending wireless signals; while simultaneously maintaining the access to the user-operated computing functionality and the access to receiving wireless signals." as recited in claim 23, as amended. Therefore, because Chmaytelli does not teach or suggest at least one element of claim 23, as amended, a sufficient obviousness rejection under 35 U.S.C §103(a) of claims 23-26 and 28-36 has not been established.

Additionally, claims 37-39 and 41-53, as amended, include limitations similar to those of claim 23, and are, therefore, in a condition for allowance for at least the same reasons.

**Claims 54-56*****Failure to teach a switch operable to selectively disable an antenna***

As just an example, referring to claims 54-56, as amended, Chmaytelli does not teach or suggest "a radio frequency (RF) unit selectively coupled to the power source through a switch to provide the wireless communication, the RF unit having a radio transceiver, a signal processing unit, and an antenna; wherein the switch is adapted to selectively disable the antenna" Chmaytelli describes a switch to power on or power off a wireless telephone, but does not teach or suggest a "switch is operated to selectively disable the antenna," as recited in claim 54, as amended. Therefore, because Chmaytelli does not teach or suggest at least one element of claim 54, as amended, a sufficient obviousness rejection under 35 U.S.C §103(a) of claims 54-56 has not been established.



**Claims 57-64*****Failure to teach providing notification to disable wireless signal communication***

As just an example, referring to claims 57-64, as amended, Chmaytelli does not teach or suggest "in response to detecting an event, providing notification to disable the operation of the mechanism for wireless signal communication while simultaneously maintaining the access to the interactive data processing functionality by use of a selection mechanism." Chmaytelli describes a switch to power on or power off a wireless telephone, but does not teach or suggest a "providing notification to disable the operation of the mechanism for wireless communication", and, additionally, does not teach or suggest "simultaneously maintaining the access to the interactive data processing functionality by use of a selection mechanism" as recited in claim 57, as amended. Therefore, because Chmaytelli does not teach or suggest at least one element of claim 57, as amended, a sufficient obviousness rejection under 35 U.S.C §103(a) of claims 57-64 has not been established.

**Claims 65-68*****Failure to teach providing automatically switching between a first and second mode in response to a trigger***

As just an example, referring to claims 65-68, Chmaytelli does not teach or suggest "automatically switching between a first and second mode in response to a trigger" Chmaytelli describes a switch to power on or power off a PDA that is activatable by a user, but does not teach or suggest at least the limitation of claim 65 noted above. Therefore, because Chmaytelli does not teach or suggest at least one element of claim 65, as amended, a sufficient obviousness rejection under 35 U.S.C §103(a) of claims 65-68 has not been established.

**Chmaytelli v. Nakamura*****Failure to teach all the limitations***

It is respectfully submitted that Chmaytelli in view of Nakamura does not teach or suggest, either expressly or inherently, all of the limitations of claims 21, 27, 40 and 69, as amended, and,

therefore, does not render these claims obvious. It is noted that claim 20 has been cancelled, and, therefore, the rejection of claim 20 is moot.

**Claim 21**

***Failure to teach a selection means triggered by an external entity***

As just an example, referring to claim 21, neither of Chmaytelli or Nakamura teach or suggest "a selection means triggered by an external entity for selecting between a first mode of operation, wherein both the local functionality and the communication functionality are enabled, and a second mode of operation, where the local functionality is enabled and the communication functionality is disabled." As mentioned previously, Chmaytelli describes a switch to power on or power off a PDA that is activatable by a user, but does not teach or suggest "a selection means triggered by an external entity" as recited in claim 17, from which claim 21 depends. Additionally, Nakamura fails to cure this deficiency noted in Chmaytelli. For example, Nakamura is directed toward a mobile communication system which may restrict the use of mobile station radio units, and there is no mention throughout Nakamura of "selecting between a first mode of operation, wherein both the local functionality and the communication functionality are enabled, and a second mode of operation, where the local functionality is enabled and the communication functionality is disabled" as recited in claim 17, as amended. Therefore, because neither of Chmaytelli or Nakamura teach nor suggest at least the limitations noted above, a sufficient obviousness rejection under 35 U.S.C §103(a) of claim 21 has not been established.

**Claims 27, 40**

***Failure to teach disabling receiving of wireless signals while maintaining access to sending wireless signals***

As just an example, referring to claims 27 and 40, neither of Chmaytelli or Nakamura teach or suggest "subsequently disabling the access to sending wireless signals; while simultaneously maintaining the access to the user-operated computing functionality and the access to receiving

wireless signals." As mentioned previously, Chmaytelli describes a switch to power on or power off a wireless telephone, but does not teach or suggest "disabling the access to sending wireless signals; while simultaneously maintaining the access to the user-operated computing functionality and the access to receiving wireless signals." as recited in claim 23, from which claim 27 depends, and which includes similar limitations of claim 40. Additionally, Nakamura fails to cure this deficiency noted in Chmaytelli. For example, Nakamura is directed toward a mobile communication system which may restrict the use of mobile station radio units, and there is no mention throughout Nakamura of "disabling the access to sending wireless signals; while simultaneously maintaining the access to the user-operated computing functionality and the access to receiving wireless signals." Therefore, because neither of Chmaytelli or Nakamura teach nor suggest at least the limitations noted above, a sufficient obviousness rejection under 35 U.S.C §103(a) of claims 27 and 40 has not been established.

#### **Claim 69**

##### ***Failure to teach providing an airplane mode***

As just an example, neither of Chmaytelli or Nakamura teach nor suggest "automatically switching between a first and second mode in response to a trigger". As mentioned previously, Chmaytelli describes a switch to power on or power off a PDA that is activatable by a user, but does not teach or suggest at least the limitation of claim 65 noted above, from which claim 69 depends. Additionally, Nakamura fails to cure this deficiency noted in Chmaytelli. For example, Nakamura is directed toward a mobile communication system which may restrict the use of mobile station radio units, and there is no mention throughout Nakamura of "automatically switching between a first and second mode in response to a trigger". Therefore, because neither of Chmaytelli or Nakamura teach nor suggest at least the limitations noted above, a sufficient obviousness rejection under 35 U.S.C §103(a) of claim 69 has not been established.

**Conclusion - Claims are not Obvious**

Assignee respectfully submits that because a sufficient showing of obviousness has not been established, claims 1-19 and 21-69, as amended, are in a condition for allowance. It is noted that many other bases for traversing the rejection could be provided, but Assignee believes that this ground is sufficient. It is, therefore, respectfully requested that the Examiner enter the amendments to the claims, and allow these claims to proceed to allowance.